

EXHIBIT A

NATIONAL STARCH

134

Project No. 0123456789

Date Started

Object

Project No. 123456789 Date Started
Object Preparation of enzyme degraded Guar and starch from Guar.

Gua-Gum

2 kg of Quicksand

~~SCM 290%~~

Sodium Bally's Oxide \rightarrow 0.1% per solution
bh \rightarrow 1, 11 & 70°C

$\text{MnO}_4^- \rightarrow \text{MnO}_4^+$ + 2e^-

Accept Bear Gwin

2 up of Copper-Blau Gum

Scallop - 20%

Sodium Benzoate 6.1% pos solut
bh 34 T = 70° F

py 39 T = 70 °C
Gramicidin Enzyme

Procedure: 0.1% Octenyl Benzene dissolved in denit. H_2O 1:4, mix
2g of Octenyl Benzene dissolved in cotton part in constant temp. water bath 70°C
then add 10 ml of granular 10% Gum Arabic added 2 lip
of Gum Arabic added until reach till 25% of
the second batch added 10 ml granular 10% Octenyl Benzene
and then added 2 lip of Octenyl Benzene and reach till
90-25°C.

SAMPLE	Amount of Enzyme ml	Ex Time Time	% PS.	SAMPLE	Amount of Enzyme	Ex Time (Hrs)	% PS
6231134-1 (Quar Gum)	10 ml 1/16g Gum	0.1N 30 hrs.	12% PS	6231134-2 Locor	10 ml 1/16g	1 hr.	25% PS.
	added add enzyme 1 ml 1/16g 1/16g of gum	↓ 0.1N 72 hrs?	16% PS	Blan Gum	of Locor Blan Gum	Used 20 min at 1/16 dilut	
	added 5 ml/16g gum	↓ 0.1N 72	17% PS used 31 ml of 1/16 dilut			↓ dilute + 1/16 enzyme white	
						3:1 dilut	never be made in the glass
						1:1 dilution	at any time in this
						1/4 → 2	process

OBSERVATION

These larger individuals were more often seen than smaller ones.

The functional properties of these materials in food systems

WORK OF: Jane Smith

DATE: _____

WITNESS THIS **DATE:**
DOCUMENT AND UNDERSTAND ITS CONTENTS

M. Davis
Signature

[After witnessing, corrections or changes may never be made in the grid area but may be noted at any time in this margin.]

Project No. 691.2 / 1412 FEF

Date Started

Object Preparation of enzyme denatured Aquarind
(big batch)Materials:2 1/2 lb of Aquarind gum
0.1% Sodium Benzoate
solids > 20%Cellulase enzyme (about 20 ml/l/gum)
ph → 5 (6231:137-1)300 g of Tamarind Gum (mer base)
0.1% Sodium Benzoate
solids > 20%

ph → 5

Cellulase enzyme (about 20 ml/l/gum)

Procedure:

Sample	Amount of enzyme use	RX Time (hrs)	% RS
6231:137			
6231:137-1	25 ml of Cellulase enzyme /1 kg of gum	20 hrs → 22 % denatured by HCl (3%)	
6231:137-2	20 ml of Cellulase enzyme /1 kg of gum	20 hrs → 23 % denatured by HCl (3%)	

Observation: The big batch of denatured 6231:137-1
will be submitted to Food Lab along with tamarind and Jowar-gum
to examine the functional properties of these products
(also evaluated in cakes and puddings).

Done and

M. Shirley